Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2022 09:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124345	-1	5.93	124415	6.04
Blue	F	SSC	125000	123471	-2	6.24	124174	6.51
Blue	E	FITC	13602	13125	-4	6.18 (1)	368	15.64
Blue	D	PE	24891	24453	-2	6.18	581	12.84
Blue	B	PerCP-Cy5-5	33972	33039	-3	6.77	947	16.90
Blue	A	PE-Cy7	22865	22375	-3	8.71	465	33.97
Red	C	APC	47198	46433	-2	5.30	1611	13.10
Red	A	APC-Cy7	26454	25383	-5	6.31	714	14.39
Violet	B	V450	6737	6446	-5	7.26 (2)	453	14.53
Violet	A	V500	29317	28130	-5	7.07	965	11.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23550	6.34	572	37	N/A	N/A	Pass
Blue	F	SSC	54124	6.15	525	4	N/A	N/A	Pass
Blue	E	FITC	54	58.52	493	9	0.0358	141	Pass
Blue	D	PE	110	42.36	497	11	0.3037	258	Pass
Blue	B	PerCP-Cy5-5	145	45.51	592	13	0.0175	91	Pass
Blue	A	PE-Cy7	73	93.03	639	18	0.0191	12	Pass
Red	C	APC	329	28.43	582	10	0.0237	160	Pass
Red	A	APC-Cy7	129	39.54	560	9	0.0055	1613	Pass
Violet	B	V450	76	53.11	452	2	0.0352	1755	Pass
Violet	A	V500	111	40.85	472	3	0.0195	1693	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.46	-31.23	1.14
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.12	13.90 - 20.86	N/A	N/A	29.75	29.87	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9890

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments